## VOLUME CONTENTS

*Volume 239*


AMBROSINI, R., G. GRUEFF, M. MORSIANI, G. MACCAFERRI, P. ZACCHIROLI, A. ORFEI / Analysis of the Alidade Temperature Behaviour of the Medicina VLBI radiotelescope 247–258

ARDELJAN, N.V., G.S. BISNOVATYI-KOGAN and S.G. MOISEENKO / 2D calculations of the collapse of magnetized gas cloud 1–13

BANERJEE, A., AJANTA DAS and MADHUMITA BARUA BASU / Inhomogeneous perfect fluid cosmologies in (4+1) dimensions 141–150

BENKHALDOUN, Z., A. JABIRI and J. VERNIN / Attempt to Assess Astronomical 'Seeing' Using a Model 237–245

BREVIK, I. and G. STOKKAN / Viscosity and matter creation in the early universe 89–96

BRUN, V. KAZARIAN-LE BRUN / The MARS'96/BALTE Balloon Mission to Mars: Preliminary Results of Numerical Simulations 197–211

CAMPANA, S. / The hard X-ray transient 4U 0115+63 in quiescence 113–119

CHAKRABORTY, SUBENOY and ALAKANANDA GUPTA / String cosmology with Brans-Dicke theory 65–70

CHEDIA, O.V., T.A. KAHNIASHVILI, G.Z. MACHABELI and I.S. NANOBASHVILI / On the kinematics of a corotating relativistic plasma stream in the perpendicular rotator model of a pulsar magnetosphere 57–64

CLARKE, DAVID, GERRY DEIGHAN, GILLIAN FRY, SUSAN GOODSIR and DONALD MACLEOD / Determination of Dead-Time in Photon Counting Photometers by a Polarimetric Method 229–235

COCKE, W.J. and W.G. TIFFT / Global redshift periodicities: association with the cosmic background radiation 35–55

DE, B.R. / Gravitational mass of magnetostatic field 25–33

FEJES, I., N. KAWAGUCHI and Sz. MIHÁLY / Space VLBI Geodesy: Background of an Experiment Proposal 275–280

GENDRON, E. and P. LÉNA / Single Layer Atmospheric Turbulence Demonstrated by Adaptive Optics Observations 221–228

GEYER, E.H., K. JOCKERS, N.N. KISELEV and G.P. CHERNOVA / A Novel Quadruple Beam Imaging Polarimeter and Its Application to Comet Tanaka-Machholz 1992 X 259–274

JENKINS, EDWARD B., MICHAEL A. REALE and PAUL M. ZUCCHINO / High Resolution Spectroscopy in the Far UV: Observations of the Interstellar Medium by IMAPS on ORFEUS-SPAS 315–360

KAUL, R.K. / Implications of the detection of pulsed TeV gamma-rays from Geminga 15–23

KENTISCHER, THOMAS, J., ANDREAS BERNERT, LOTHAR GANTZERT, THOMAS SCHELENZ and WOLFGANG SCHMIDT / A Fast Tracking Mirror for Adaptive Optics 213–219

LA PALOMBARA, NICOLA, CARLO MUSSO, MASSIMO CONTE and MARCO BARBERA / The Filters for Epic: Optimized Design 281–296

LÉVÊQUE, SAMUEL, BERTRAND KOEHLER and OSKAR VON DER LÜHE / Longitudinal Dispersion Compensation for the Very Large Telescope Interferometer 305–314

MUKHERJEE, SOMA, UJJWAL BHATTACHARYA, S.K. PARUI, RANJAN GUPTA and RAVI K. GULATI / A Multi-Layered Backpropagation Artificial Neural Network Algorithm for UV Spectral Classification 361–373

PRONIK, I.I., L.P. METIK and N.I. MERKULOVA / Differences in the emission line spectrum at maximum and minimum of the nuclear brightness of the Seyfert galaxy NGC 7469 97–111

ROQUES, S., F. BOURZEIX and K. BOUYOUCEF / Soft-Thresholding Technique and Restoration of 3C273 Jet 297–304

SERLEMITSOS, PETER J. and YANG SOONG / Foil X-Ray Mirrors 177–196

VERHEEST, F., M.A. HELLBERG, G.J. GRAY and R.L. MACE / Electrostatic solitons in multispecies electron-positron plasmas 125–139

WARD-THOMPSON, D. / The formation and evolution of low mass protostars 151–170

WICKRAMASINGE, N.C. and F. HOYLE / Very small dust particles (VSDP's) in comet C/1996 B2 (Hyakutake) 121–123

YUAN, Q.R., F.X. HU, H.J. SU, G.X. WU and X.T. HE / Spatial orientation of the spin vectors of the disk galaxies in the Virgo cluster. I. A catalogue of the disk galaxies in the Virgo cluster 71–88

BOOK REVIEW

McCRAY, R. and Z. WANG / (eds.) Supernovae and Supernova Remnants (PETER SHULL, JR.) 171

Editor's Note iii

List of forthcoming papers 173

The 'KLUWER' LaTeX Style File 175, 375